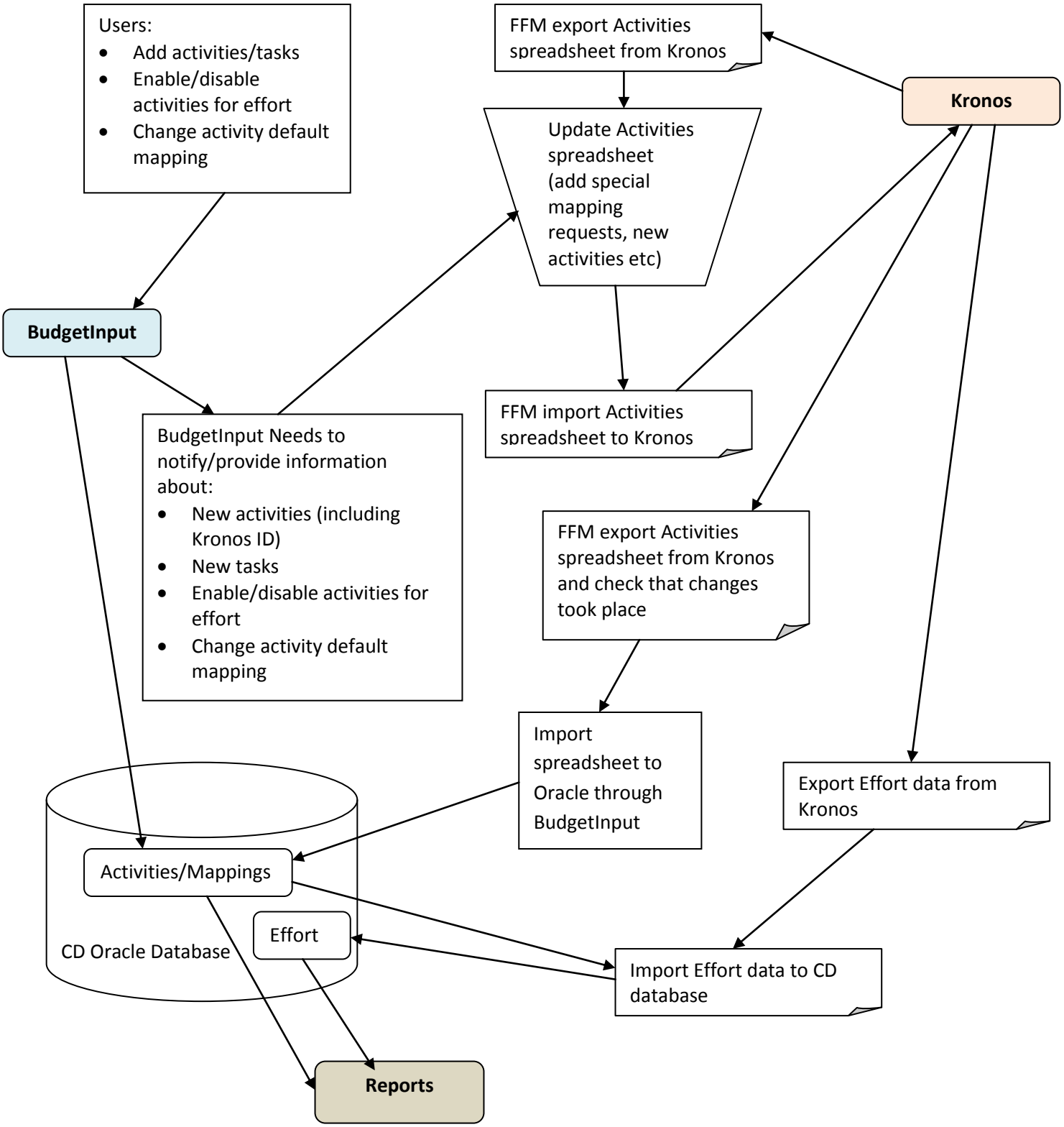
Computing Division Activities Support for Kronos

Computing Division Activities Support Business Process

The following is the Computing Division Business process to update (add and/or modify) activities in the Kronos effort reporting system and propagate the changes back to the CD systems:

- **Step 1:** Export from Kronos the current CD Activities and their task mappings.
- **Step 2:** Update the Kronos-Activities spreadsheet:
    - If no new activities are to be added to Kronos, then modify the Kronos-Activities spreadsheet appropriately
    - If new activities are to be added then:
        1. Add the activities to BudgetInput
        2. Export from BudgetInput the new activities' spreadsheet (it contains information about the Kronos ID, activity description (in the Kronos format) and the default task mapping).
        3. Cut and paste the new activities from the BudgetInput spreadsheet to the Kronos-Activities spreadsheet
        4. Modify if needed the Kronos-Activities spreadsheet
    - If there are any activities that are expired in the Kronos system then they need to be expired in BudgetInput too.
- **Step 3:** Import the new Kronos-Activities spreadsheet to Kronos
- **Step 4:** After the import to Kronos, export from Kronos all the activities. The exported spreadsheet will include all the modifications.
- **Step 5:** Import into BudgetInput the new Kronos-Activities spreadsheet to add any new activities' Kronos ID's to the system (there might be new special mappings that were created manually). This step will update the KRONOS_CDACTID_LOOKUP and ALL_MAPPINGS tables in the CD EFFORT oracle schema. Note: The ALL_MAPPINGS table is re-created using the data from the Kronos-Activities spreadsheet as it contains all the current default and special Activity-to-Task mappings.

Business Process Flow Chart



Kronos Activity ID Creation Algorithm

The algorithm is what Bill Boroski (14 June 2010) created with the modifications that Molly Anderson requested (to always assume that there will be a special mapping so the total length will never be more than 43 characters long in order to allow for the employee badge number, 24 September 2010)

Acronyms

LLA=Lowest-level Activity

Variables

L0Length	= 15	//maximum string length for Level-0 activity name
LLA_length	= 16	//maximum string length for lowest-level activity name
empIDLength	= 6	//maximum string length for employee id
CD_Activity_ID	= 4	//Need to allow for larger numbers

Algorithm

Kronos Activity_ID = "CD-" + CD_Activity_ID " + "-" + A + "… " + B + "-" + C

Total max length = 3 + 4 + 1 + 15 + 4 + 16 + 1 + 6 = 50

1. **Determine if activity has special mappings**
   If SpecialMapping **C =** empIDNumber
   Else **C =** "";
2. **Compute A**
   If len(ActLevel0 < L0Length) **A =** ActLevel0
   Else **A =** left(ActLevel0, L0Length);
3. **Find lowest level activity (LLA) in the full activity string**
4. **Compute B**
   If len(LLA < LLA_length) **B =** LLA
   Else **B =** left (LLA, LLA_length);
5. **Concatenate elements to generate Kronos Activity_ID**